

ABSTRACT

A radio channel assignment judgement method and a radio channel control device in a mobile communication system, capable of preventing a rapid tolerance degradation with respect to the identical frequency interference associated with a degradation of a receiving level of a communication channel that is caused, for example, by a moving of the mobile station, are disclosed. Upon receiving a communication request from a mobile station along with a measurement result of a receiving level of a level measurement channel, an unused assignment candidate frequency/radio channel is selected while a carrier-to-interference ratio (CIR) that is corresponding to this receiving level is determined from a table, a measurement result of an interference receiving level of the assignment candidate frequency/radio channel is acquired from the mobile station, whether this interference receiving level satisfies the carrier-to-interference ratio (CIR) selected from the table or not is judged, and a selected frequency/radio channel is assigned if it is satisfied. (FIG. 5)